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Atty. Docket No.: 25436/1560 PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Sorge, et al.
Serial No.: 09/698,341
Filed: October 27, 2000
Entitled: "Compositions and Methods Utilizing DNA Polymerases"

Examiner: Hutson, R.
Group Art Unit: 1652
Conf. No.: 6038

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a

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AMENDMENT UNDER 37 C.F.R. §1.116

Sir:

This is filed in response to the Final Office Action mailed May 7, 2002 in the above-noted patent application. Kindly enter the following proposed amendments and remarks:

In the Claims:

Please enter the following proposed amendments.

Please replace claims 10 and 88 with amended claims 10 and 88 as follows:

10. (Twice Amended) An isolated recombinant Family B DNA polymerase having reduced discrimination against non-conventional nucleotides, wherein said DNA polymerase has a mutation in the Region II consensus sequence DXXSLYPSII.

88. (Amended) An isolated recombinant Family B DNA polymerase from *Thermococcus* species JDF-3 that comprises an alanine to threonine mutation at a site corresponding to A485 of SEQ ID NO: 2.